

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L3 | 501 | 438/157.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:06 |
| L4 | 101 | 438/176.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:06 |
| L5 | 2484 | 438/197.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:06 |
| L6 | 588 | 438/216.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:06 |
| L7 | 563 | 438/283.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:07 |
| L8 | 1342 | 438/653.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:07 |
| L9 | 504 | 438/686.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:07 |
| L10 | 0 | I9 and (Gate with ((metal adj barrier) or (barrier adj metal)) with (second with metal with gate)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:07 |
| L11 | 39 | I9 and (work adj function) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:08 |

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|-----|------|---|---|----|----|------------------|
| L12 | 8 | I11 and (gate with barrier) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/10 07:16 |
| L14 | 0 | MOSFET with method with reactive with gate with electrode with insulator with first with metal with second with thickness with nanometer with (work adj function).clms. | US-PGPUB | OR | ON | 2008/11/10 07:22 |
| S1 | 2 | "6861712" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:44 |
| S2 | 1 | "6410376".PN. | USPAT; USOCR | OR | ON | 2005/06/07 14:00 |
| S3 | 169 | Gate with ((metal adj barrier) or (barrier adj metal)) with (second with metal with gate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/22 00:13 |
| S4 | 45 | S3 and (gate with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 14:18 |
| S5 | 3 | S4 and ((high adj k) or (high-k)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 14:18 |
| S6 | 2 | S5 and (barrier with (TaN or TiN or WN)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 14:20 |
| S7 | 1 | S6 and (work adj function) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 14:19 |
| S8 | 6423 | (work adj function) and nm | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:45 |

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|-----|-------|---------------------------------------|---|----|----|------------------|
| S9 | 1827 | (work adj function) and ("4" with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:20 |
| S10 | 23 | S9 and (barrier with "4" with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:48 |
| S11 | 27 | S9 and (barrier with "3" with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:20 |
| S12 | 21 | S9 and (barrier with "2" with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:23 |
| S13 | 54 | S9 and (barrier with "1" with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:23 |
| S14 | 287 | (work adj function) and ("4" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:47 |
| S15 | 549 | (work adj function) and ("3" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:47 |
| S16 | 745 | (work adj function) and ("2" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:47 |
| S17 | 1257 | (work adj function) and ("1" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:48 |
| S18 | 13390 | (barrier adj layer) with ("4" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:56 |

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| S19 | 343 | (barrier adj layer) with ("4" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:49 |
| S20 | 410 | (barrier adj layer) with ("3" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:49 |
| S21 | 390 | (barrier adj layer) with ("2" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:49 |
| S22 | 269 | (barrier adj layer) with ("1" adj nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:50 |
| S23 | 891 | S19 or S20 or S20 or S21 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:50 |
| S24 | 9 | S23 and (barrier with (work adj function)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:51 |
| S25 | 7 | S23 and (metal with barrier with (work adj function)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/20 14:27 |
| S26 | 0 | S25 and (TaN or TiN or WN) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:54 |
| S27 | 682 | (barrier adj layer) with ("4" adsj nm) with (TaN or TiN or WN) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:57 |
| S28 | 2 | (barrier adj layer) with ("4" adj nm) with (TaN or TiN or WN) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:09 |

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| S29 | 2 | (barrier adj layer) with ("3" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:57 |
| S30 | 1 | (barrier adj layer) with ("2" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:57 |
| S31 | 4 | (barrier adj layer) with ("1" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 15:58 |
| S32 | 9 | S28 or S29 or S30 or S31 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:06 |
| S33 | 3 | S32 and (work adj function) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:01 |
| S34 | 6 | S32 and gate | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:03 |
| S35 | 3 | S34 and (work adj function) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:01 |
| S36 | 1 | (gate) with ("4" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:09 |
| S37 | 6 | (gate) with ("3" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:10 |
| S38 | 4 | (gate) with ("2" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:10 |

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| S39 | 0 | (gate) with ("1" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:10 |
| S40 | 11 | S36 or S37 or S38 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:10 |
| S41 | 6 | S40 and (work adj function) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:20 |
| S42 | 2 | S41 and (barrier adj layer) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 16:11 |
| S43 | 34 | (barrier adj layer) with gate with (work adj function) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:20 |
| S44 | 236 | 257/407.ccls. | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/18 13:31 |
| S45 | 1063 | 438/653.ccls. | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/18 13:32 |
| S46 | 47 | (barrier adj layer) with gate with (work adj function) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:20 |
| S47 | 0 | S46 and ("4" with nm) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:20 |
| S48 | 3 | S46 and (barrier with "3" with nm) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:21 |

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| S49 | 0 | S46 and (barrier with "2" with nm) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:23 |
| S50 | 4 | S46 and (barrier with "1" with nm) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/04 16:23 |
| S51 | 2 | (gate) with ("4" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/05 22:22 |
| S52 | 8 | (gate) with ("3" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/05 22:22 |
| S53 | 4 | (gate) with ("2" adj nm) with (TaN or TiN or WN) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/05 22:22 |
| S54 | 14 | S51 or S52 or S53 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/05 22:22 |
| S55 | 415 | (barrier adj layer) with ("4" adj nm) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/20 14:27 |
| S56 | 507 | (barrier adj layer) with ("3" adj nm) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/20 14:27 |
| S57 | 501 | (barrier adj layer) with ("2" adj nm) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/20 14:27 |
| S58 | 1112 | S55 or S56 or S56 or S57 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/20 14:27 |

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| S59 | 9 | S58 and (metal with barrier with (work adj function)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/20 14:29 |
| S60 | 5 | (US-20020142531-\$ or US-20050104112-\$ or US-20030146479-\$ or US-20040106249-\$). did. or (US-6861712-\$). did. | US-PGPUB; USPAT | OR | ON | 2007/01/22 00:00 |
| S61 | 2 | S60 and WN | US-PGPUB; USPAT | OR | ON | 2007/01/22 00:05 |
| S62 | 2 | "6573149" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/22 00:05 |
| S63 | 6 | (US-20020142531-\$ or US-20050104112-\$ or US-20030146479-\$ or US-20040106249-\$). did. or (US-6861712-\$ or US-6573149-\$). did. | US-PGPUB; USPAT | OR | ON | 2007/01/22 00:05 |
| S64 | 2 | S63 and WN | US-PGPUB; USPAT | OR | ON | 2007/01/22 00:06 |
| S65 | 616 | Gate with (work adj function) with (Re or Pt or Hf or Zr or Cu or V or Ir or Ni or Mn or Co or NbO or Pd or Mo or TaSiN or Al or Nb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/22 00:25 |
| S66 | 53 | S65 and ((barrier adj layer) with gate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/22 00:25 |
| S67 | 2 | S65 and ((barrier adj layer) with gate with (nm)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/22 00:18 |
| S68 | 739 | Gate with (work adj function) with (Re or Pt or Hf or Zr or Cu or V or Ir or Ni or Mn or Co or NbO or Pd or Mo or TaSiN or Al or Nb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/14 08:39 |

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| S69 | 57 | S68 and ((barrier adj layer) with gate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/22 00:25 |
| S70 | 720 | Gate with (work adj function) with (Re or Pt or Hf or Zr or Cu or V or Ir or Ni or Mn or Co or NbO or Pd or Mo or TaSiN or Nb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/14 08:40 |
| S71 | 13 | Gate with (work adj function) with (Re or Pt or Hf or Zr or Cu or V or Ir or Ni or Mn or Co or NbO or Pd or Mo or TaSiN or Nb) with upper | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/14 08:40 |
| S72 | 9 | (US-20030151074-\$ or US-20020142531-\$ or US-20030146479-\$ or US-20050104112-\$ or US-20040175910-\$ or US-20040235285-\$ or US-20040106249-\$). did. or (US-6861712-\$ or US-6573149-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/09/04 07:14 |
| S73 | 4 | S72 and (Pt or NbO or Pd or Nb) | US-PGPUB; USPAT | OR | ON | 2007/09/04 07:15 |
| S74 | 2392 | 257/369.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/27 01:12 |
| S75 | 305 | 257/407.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/27 01:12 |
| S76 | 2661 | S74 or S75 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/27 01:12 |
| S77 | 1 | S76 and ((metal adj barrier) with (nanometer or (nm)) with (work adj function)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/27 01:14 |

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| S78 | 1 | ((metal adj barrier) with (nanometer or (nm)) with (work adj function) with gate with (NbO or Pd or Nb)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/27 01:17 |
| S79 | 0 | ((metal adj barrier) with (nanometer or (nm)) with (work adj function) with gate with (NbO or Pd or Nb)) | US-PGPUB | OR | ON | 2007/09/27 01:17 |
| S80 | 1 | "6410376".PN. | USPAT; USOCR | OR | ON | 2008/04/23 22:23 |
| S81 | 43 | "6410376" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 22:27 |
| S82 | 10 | (US-20040235285-\$ or US-20040106249-\$ or US-20050104112-\$ or US-20030146479-\$ or US-20020142531-\$ or US-20040175910-\$ or US-20030151074-\$). did. or (US-6573149-\$ or US-6861712-\$ or US-6410376-\$). did. | US-PGPUB; USPAT | OR | ON | 2008/04/23 22:31 |
| S83 | 273 | Gate with ((metal adj barrier) or (barrier adj metal)) with (second with metal with gate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 22:32 |
| S84 | 26 | S83 and (gate with "1" with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 22:32 |
| S85 | 2287 | (first adj gate) and (second adj gate) and (gate with ("1" or "2" or "3" or "4" or "5") with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 22:36 |
| S86 | 45 | (first adj gate) and (second adj gate) and (gate with barrier with ("1" or "2" or "3" or "4" or "5") with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 22:37 |

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|-----|----|--|---|----|----|------------------|
| S87 | 10 | (first adj gate) and (second adj gate) and (gate with metal with barrier with ("1" or "2" or "3" or "4" or "5") with nm) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/23 22:49 |
| S88 | 1 | gate with nanometer with first with second with metal with (work adj function) with (Pt or NbO or Pd or Nb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/10 23:24 |
| S89 | 14 | ("20020142531" "20030146479" "20030151074" "20040106249" "20040175910" "6573149" "6861712").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/10 23:27 |
| S90 | 4 | S89 and gate and (Pt or NbO or Pd or Nb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/10 23:27 |
| S91 | 0 | S90 and gate with nanometer with (work adj function) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/10 23:28 |
| S92 | 2 | gate with nanometer with first with second with metal with (work adj function) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/10 23:29 |
| S93 | 0 | gate with nanometer with first with second with metal with (work adj function) with (Pt or NbO or Pd or Nb). clms. | US-PGPUB | OR | ON | 2008/05/10 23:30 |

11/10/08 7:22:51 AM

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